Meeting Minutes Transmittal/Approval
Unit Manager's Meeting: 100 Aggregate Area/100 Area Operable Units
2440 Stevens Center, Room 1200, Richland, Washington
August 23, 1995

FROM/APPROVAL: Nancy Wendel Date 9/20/95
Nancy Wendel, 100 Area Unit Manager, RL (H4-83)

APPROVAL: P Staats Date 9/20/95
Phil Staats, 100 Aggregate Area Unit Manager, WA Dept of Ecology (B5-18)

APPROVAL: Dennis Faulk Date 9-20-95
Dennis Faulk, 100 Aggregate Area Unit Manager, EPA (B5-01)

Meeting Minutes are attached. Minutes are comprised of the following:

Attachment #1	-	Meeting Summary
Attachment #2	-	Attendance Record
Attachment #3	-	Agenda
Attachment #4	-	DOE Reorganization Structure
Attachment #5	-	ERC Reorganziation Structure
Attachment #6	-	Remedial Design Presentation
Attachment #7	-	BC ERA Costs
Attachment #8	-	Operable Unit Status Package

Prepared by: A D Krug Date: 9/20/95
Alan Krug/Tamen Lundquist (H4-91)

Concurrence by: Greg Eidam Date: 9/21/95
Greg Eidam, BHI 100 Area Manager (H4-91)

Meeting and Summary of Commitments and Agreements

Unit Manager's Meeting: 100-aggregate Area/100 Area Operable Units

1. Signing of the July 100 Area Unit Manager's Meeting Minutes - The minutes for July were reviewed and approved.

2. Action Item Update:

   No change.

3. New Action Items:

   None.

4. 100 Area Activities:

- DOE Reorganization: Julie Erickson (DOE) presented the new organizational structure (Attachment 4) for the DOE.

- ERC Reorganization: Greg Eidam (ERC) presented the new organizational structure (Attachment 5) for the ERC.

- RD/RA Discussion: R. Donahoe (ERC) presented a brief overview of the Remedial Design/Remedial Action Strategy (Attachment 6). He also presented the lists of sites being considered, a top level schedule and discussed the Remedial Action Goals.

- ROD Strategy: Nancy Werdel (DOE) discussed the ROD Strategy which is being developed by DOE to address the remaining 100 Area sites. It begins by addressing all remaining BC Area sites. It would include several site visits and meetings with the regulators to reach agreement on the disposition of sites. The agreements reached for the BC Area would then be used as a basis for the other areas. All remaining sites would be included in a single FFS, issued by mid-July, 1996.

  Kevin Oates (EPA) suggested that the Phase 1/2 Feasibility Study could satisfy the needs for a FFS and that a new one for the remaining sites may not be necessary. A letter report, listing the sites by categories would probably be sufficient. It should be possible to move directly to a Proposed Plan (PP).

  Julie Erickson (DOE) indicated that this was a good suggestion and that if the Regulators would formally propose it, DOE would likely act on it.

- 100-BC/DR/HR-1 ROD: Kevin Oates (EPA) said that he expected to have a draft of the 100-BC/HR/DR-1 Operable Unit ROD completed by August 28, 1995.

- Cost Actuals for the BC ERA: It was decided to discuss the BC ERA costs (Attachment 7) at a separate meeting. It was scheduled for 8:30 am, August 25, 1995, at the EPA Conference Room, but was not held.

- 100-IU-2 and 100-IU-6: EPA and Ecology stated that they have not met and reached an agreement as to which agency will take the lead on these two units.

- River Outfall Pipeline ERA: The Unit Manager's Meeting adjourned prior to discussing the status of the Riverpipeline ERA. An informal discussion was held after the regular meeting.

- Operable Unit Status: The status package is attachment 8.

100 Aggregate Area Unit Manager's Meeting
Official Attendance Record
August 23, 1995

Please print clearly and use black ink

PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
Dennis Faulk	EPA	BC	376-8631
Larry Gadbois	EPA	K	376-9884
Kevin Oates	EPA	F	376-6623
Keith Holliday	ECOLOGY	D	736-3036
Wayne Saper	Ecology		736-3049
Dave Holland	Ecology	K	736-3027
Julie Erickson	RL		376-3603
Nancy Werdel	RL	BC	376-5500
Nick Kimball	RL		376-4670
Greg Eidam	ERC		375-4650
Alan Krug	ERC		372-9567
Bob Henckel	ERC		372-9005
Jeff James	ERC		372-9105
Bert Day	ERC		372-9038
Rick Donahoe	ERC		372-9508

Attchment 3

100 Area Unit Manager's Meetings

Wednesday, August 23, 1995
Conference Room 1200, 2440 Stevens Place

1:00 - 1:15 DOE/ERC Reorganization - J. Erickson/G. Eidam

1:15 - 3:00 RD/RA Action Discussion - R. Day/R. Donahoe

- The Remedial Design/Remedial Action Strategy
- List of Initial Sites to be Remediated
- Schedule for Accomplishing the Remediation

3:00 - 3:15 100-BC - J. April

-Cost Actuals on BC-ERA

3:15 - 3:30 ROD Strategy - N. Werdel

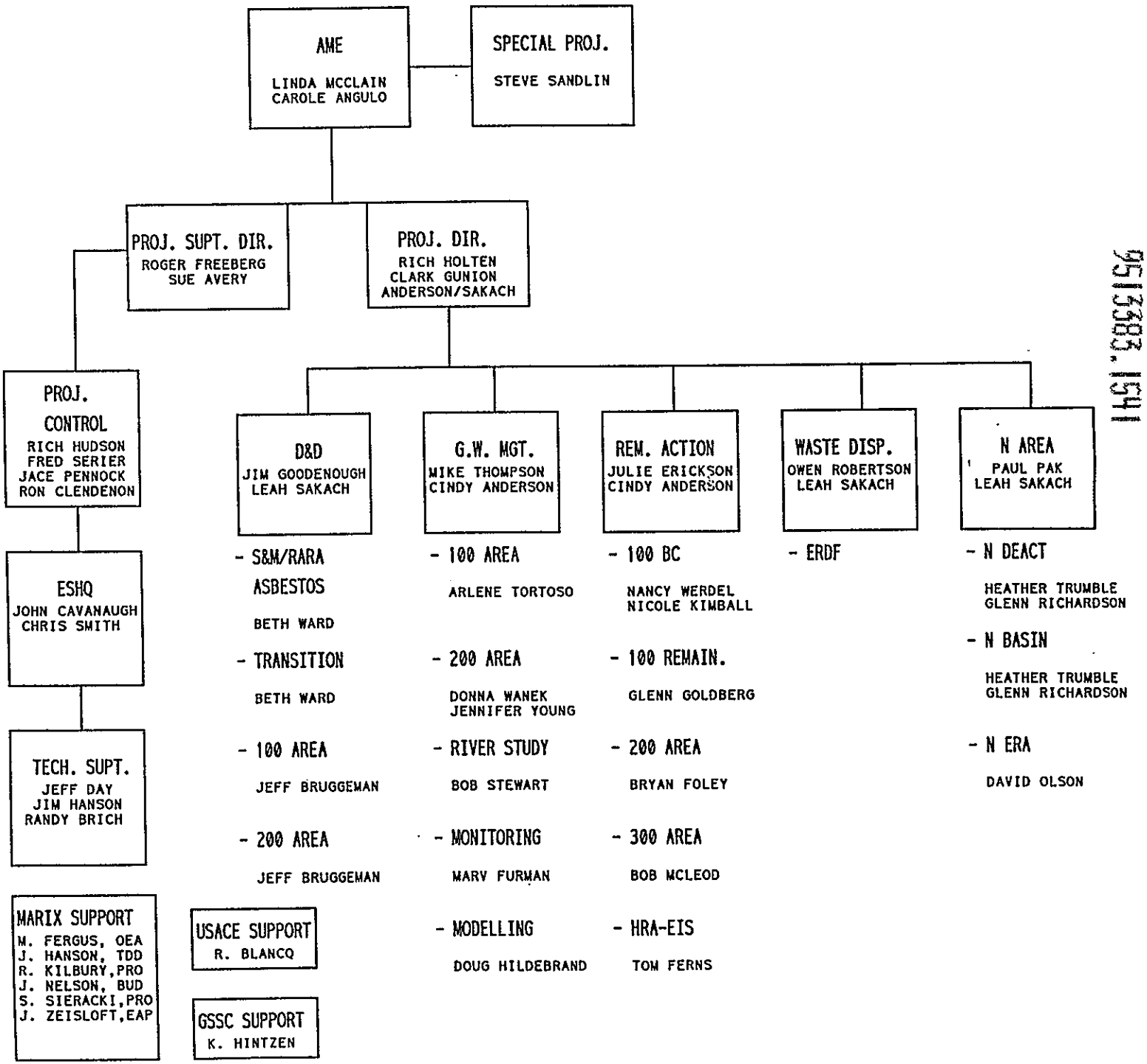
- Status

3:30 - 3:45 ERA - T. Brown

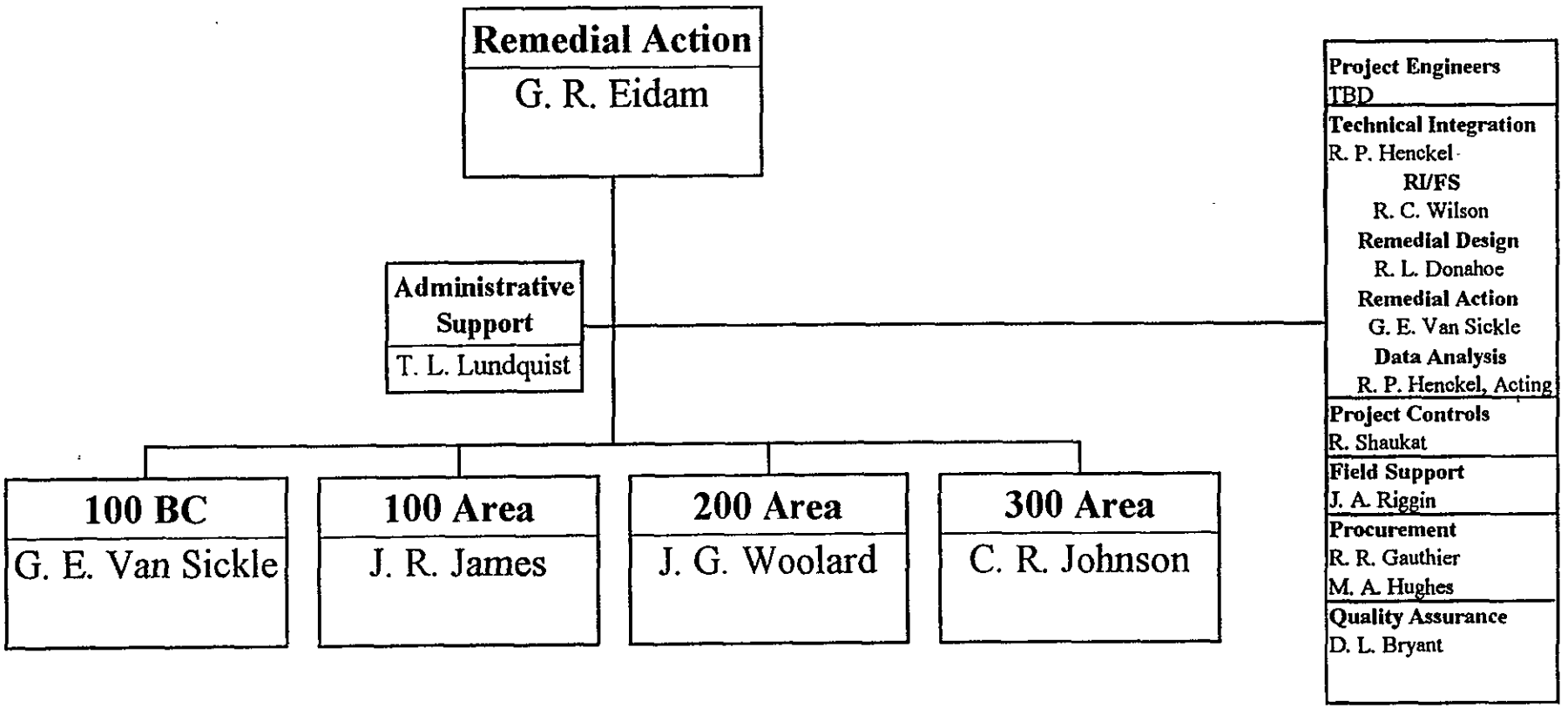
- Status for River Outfall Pipelines

3:45 - 4:00 100-IU-2 and 6 - Discussion

- Identy an Ecology/EPA Unit Manager for 100-IU-2 and 100-IU-6 Operable Units



REMEDIAL ACTION



AGENDA
REMEDIAL DESIGN PRESENTATION
August 23, 1995

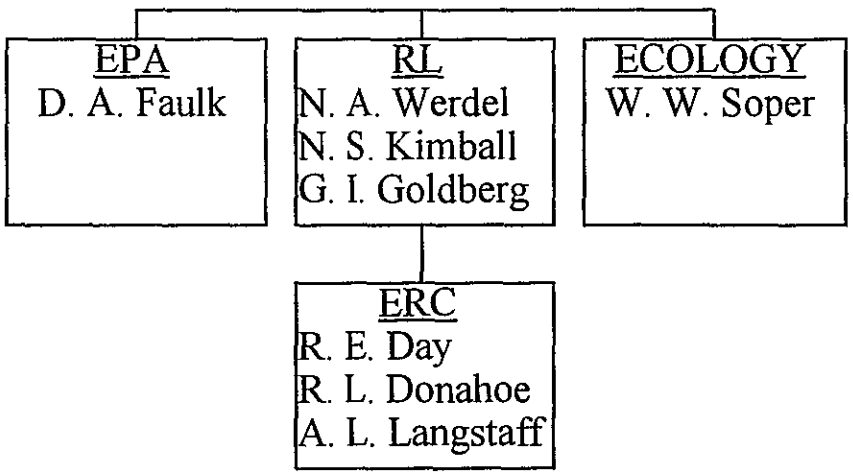
I. Remedial Design/Remedial Action Strategy

II. List of Sites

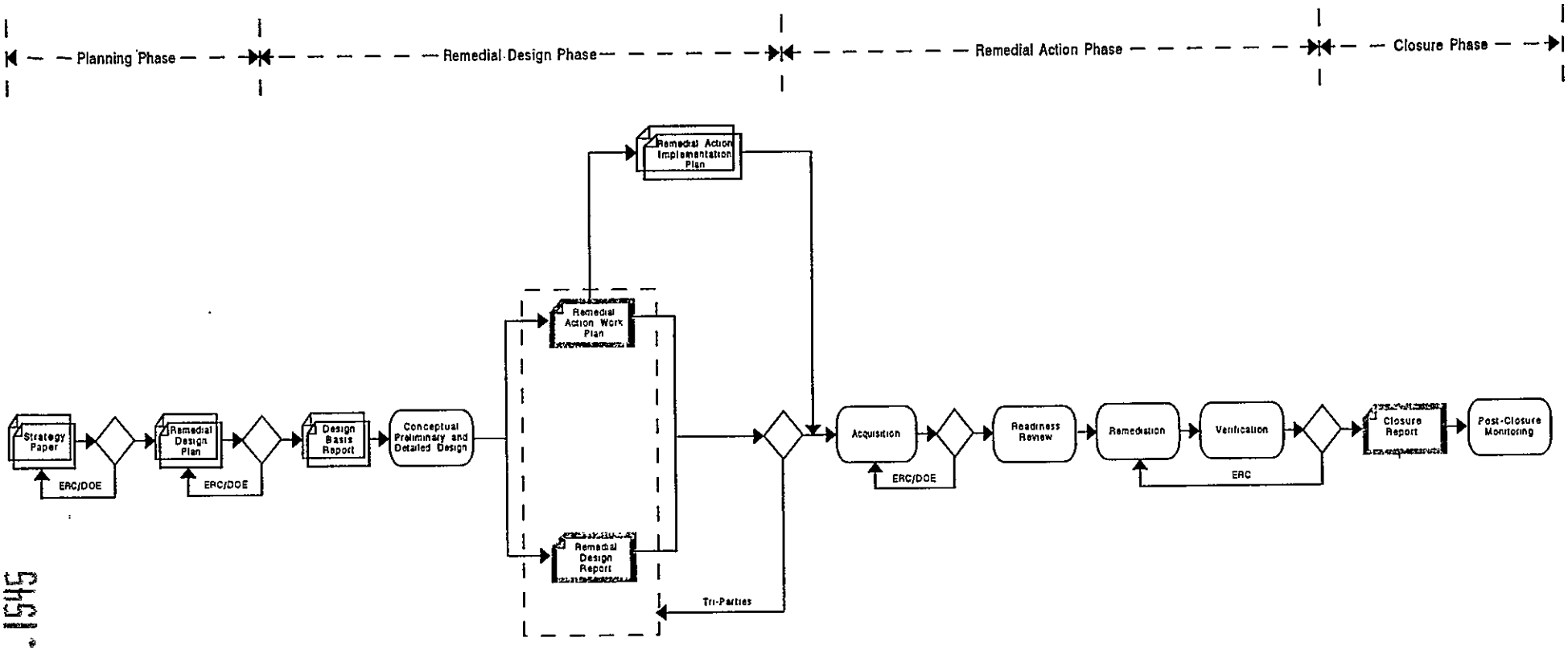
III. Schedule

IV. Remedial Action Goals

100 AREA SELECTED SITE DESIGN EXTENDED PROJECT TEAM



8-16-95

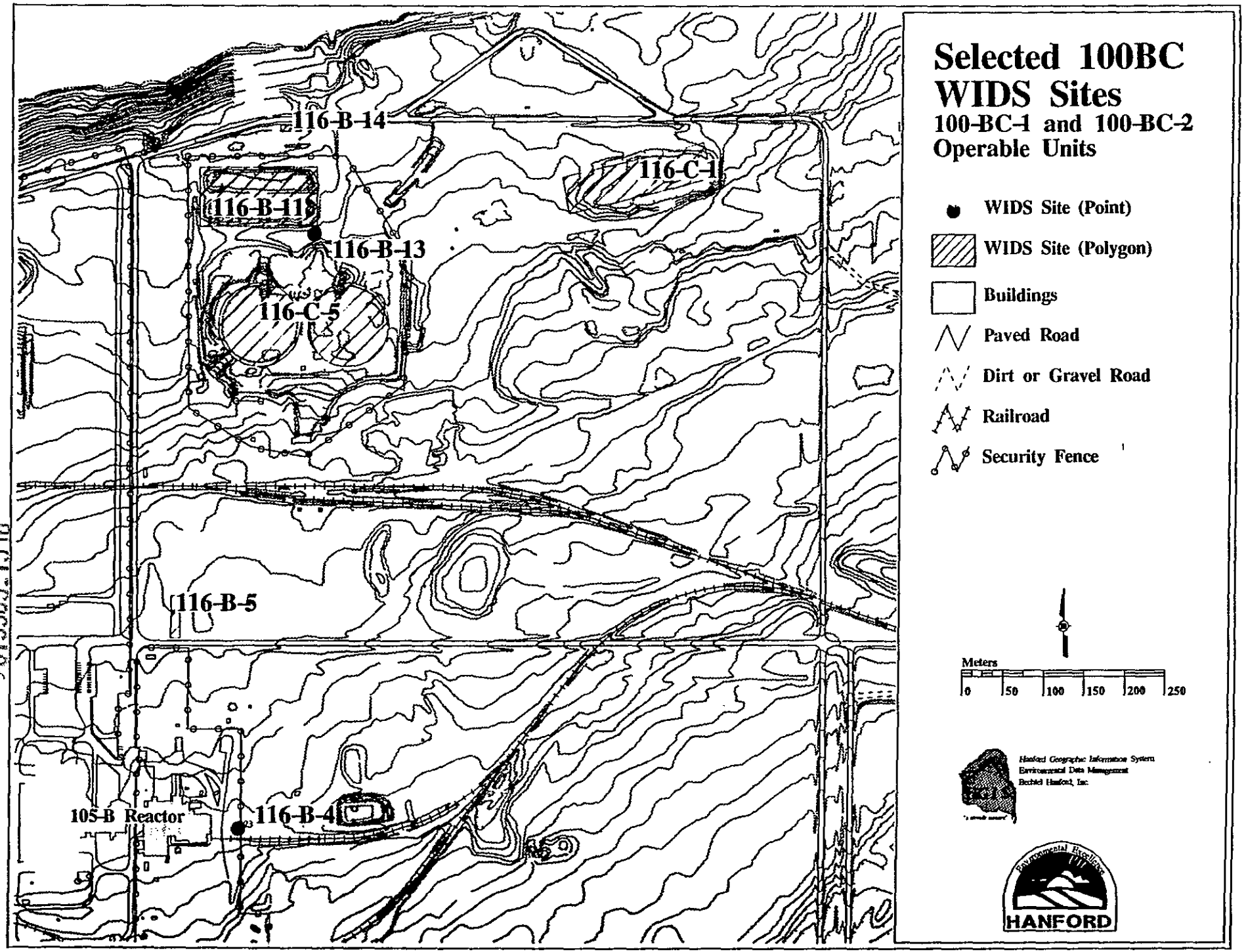


LEGEND:

- Primary Document
- Review/Revision Hold Point
- Support Document
- Process

Figure 1
100 Area Remediation Process

100REMPR CH3



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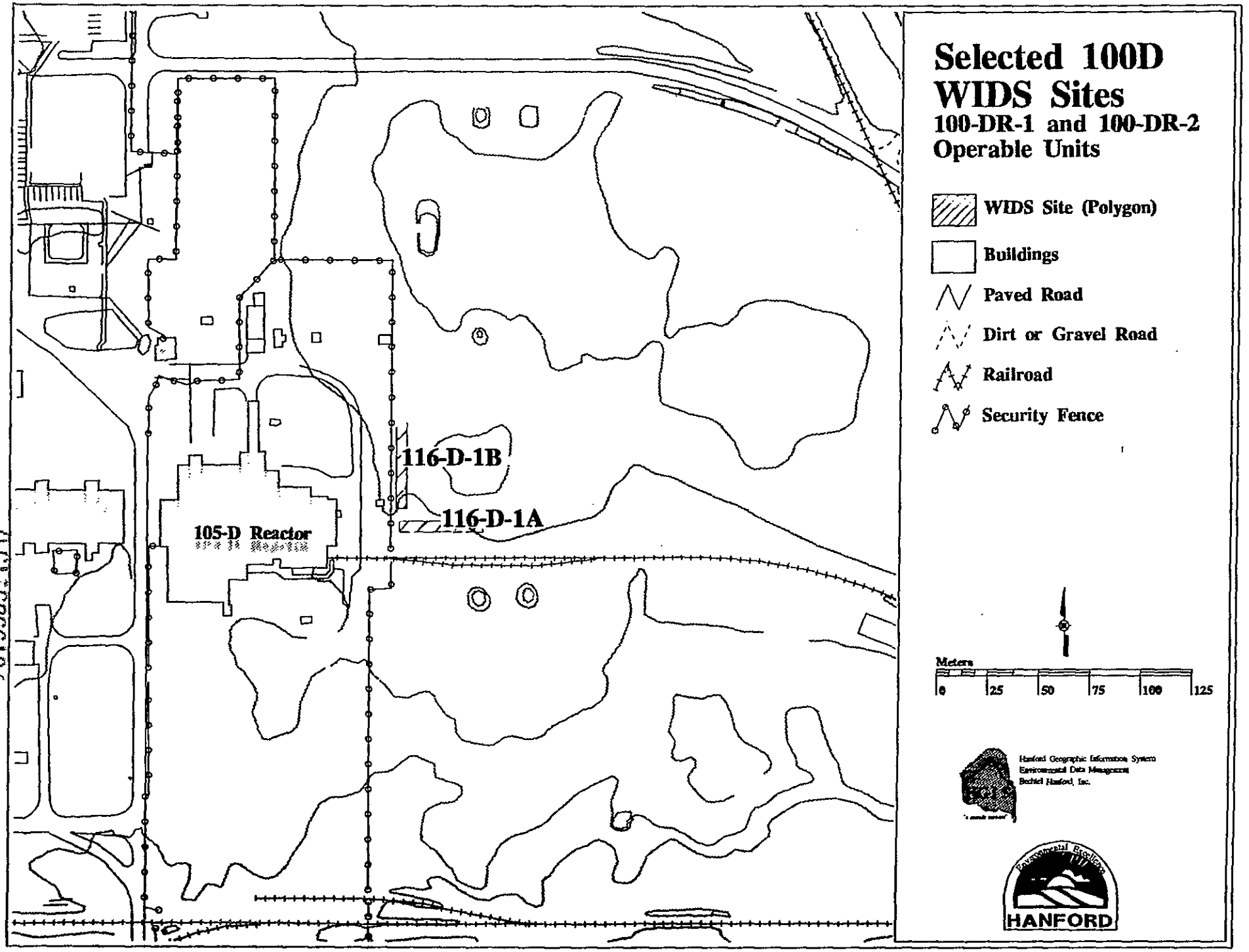
Selected 100D
WIDS Sites
100-DR-1 and 100-DR-2
Operable Units
WIDS Site (Polygon)
Buildings
Paved Road
Dirt or Gravel Road
Railroad
Security Fence
116-D-1B
116-D-1A
105-D Reactor
Meters
0
25
50
75
100
125
Hanford Geographic Information System
Environmental Data Management
Bechtel Hanford, Inc.
HANFORD
9513383.1547
Database: 05-AUG-1995
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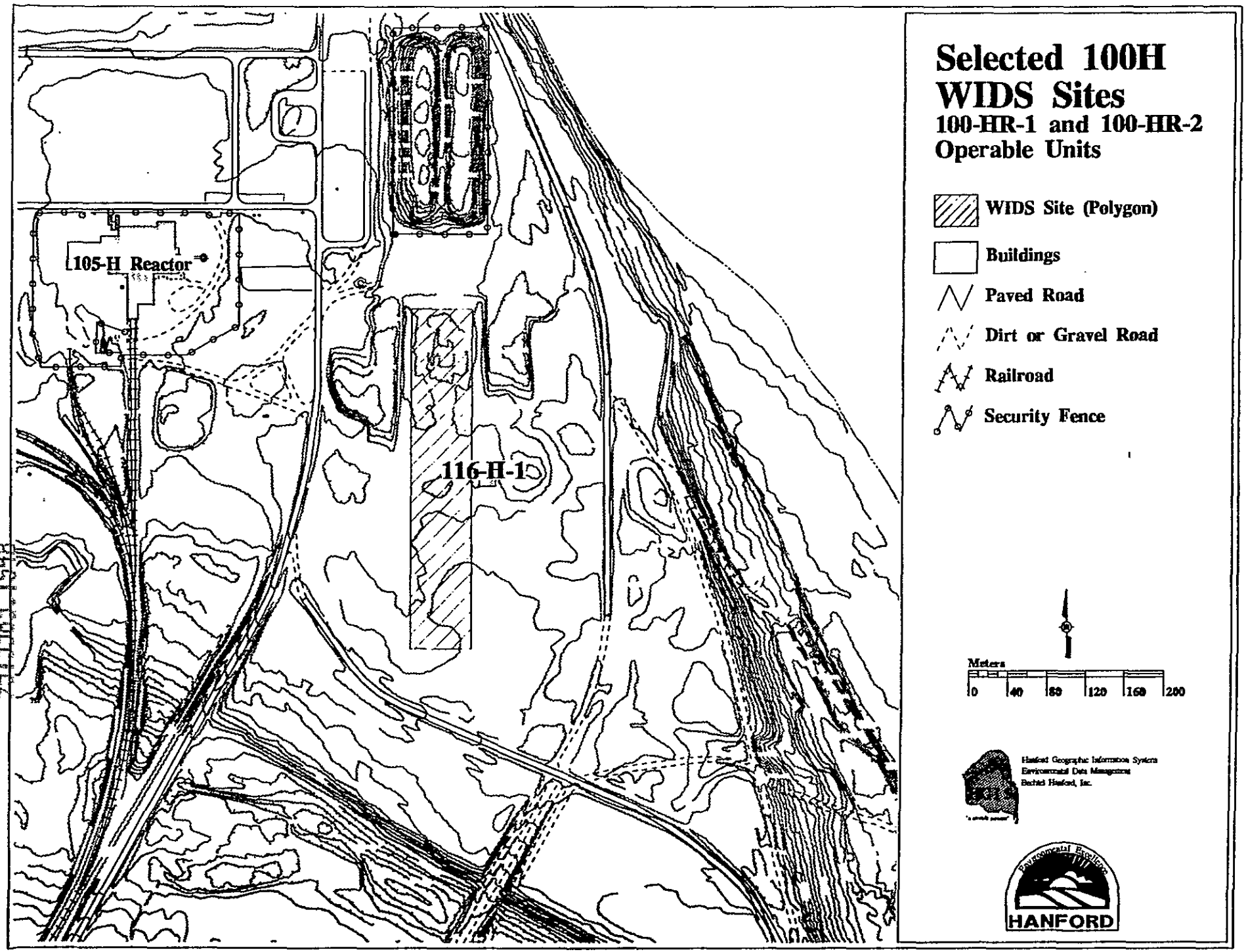
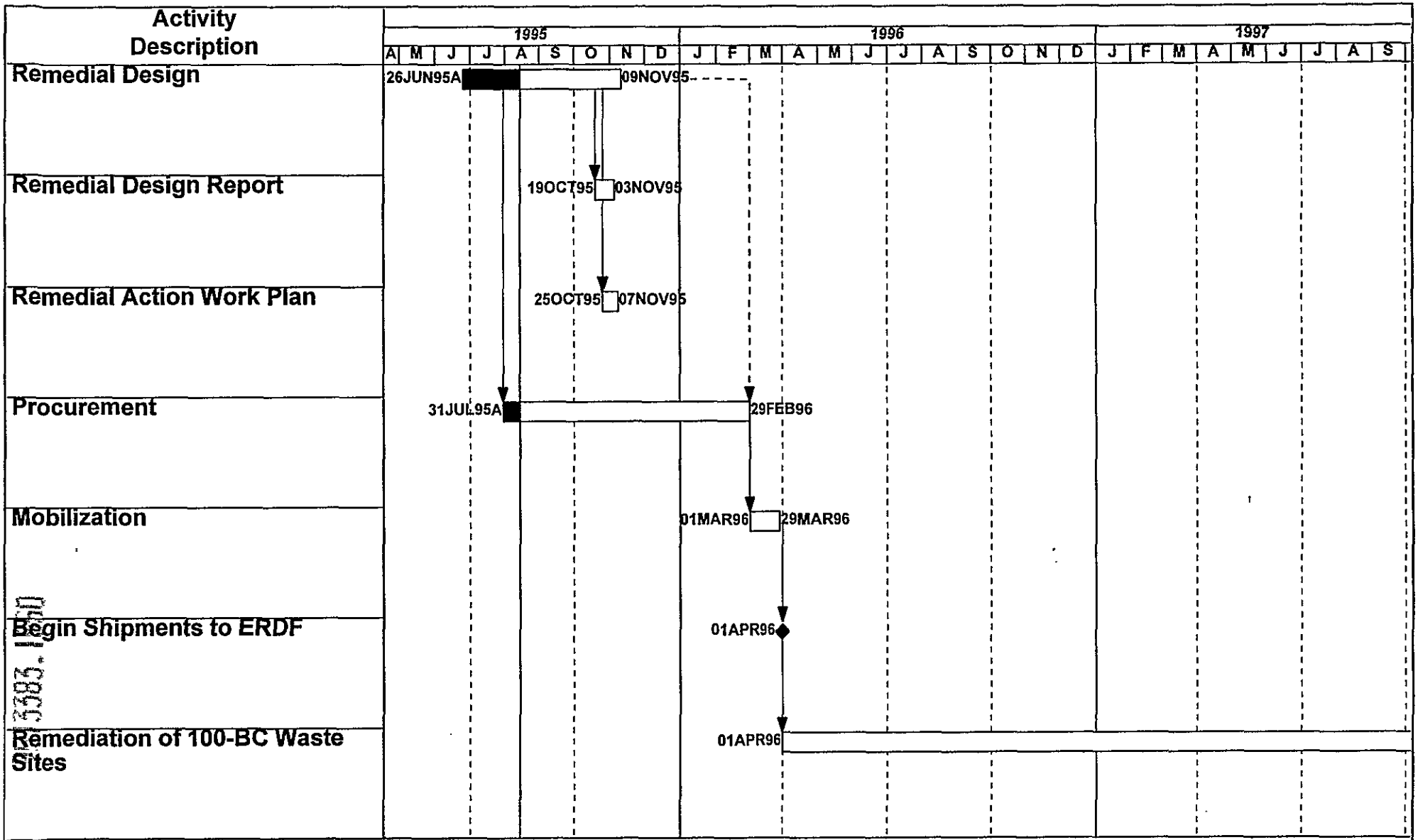


100-BC-1, DR-1, HR-1 Site Descriptions

Site #/Name/(Alias)	Use	Physical Description	Data Source
116-B-5 Crib (108-B Crib)	Received 10 million liters of low-level effluent from contaminated maintenance shop and decontamination pad in 108-B building, including liquid tritium waste; disposed effluent to soil.	Crib divided into 12 cells each cell 8 x 7.4 ft, roof panels, 2 per cell, 4" thick wire mesh surrounding crib. Crib height is 6' 4" lid - 8" footing. - 4" vitrified clay feed pipe.	Demonstation Project
116-B-4 French Drain (105 Dummy Decontamination French Drain)	Received 300,00 liters of effluent, e.g., contaminated spent acid from dummy decontamination facility; disposed effluent to soil.	Gravel filled pit - 20 x 14 x 10 ft deep. 4" stainless steel feed pipe, perforated on the end. Vent pipe, - 2" stainless.	Demonstration Project
116-C-1 Effluent Disposal Trench (107-C Liquid Waste Disposal Trench)	Received 700 million liters of high activity effluent produced by failed fuel elements; disposed effluent to the soil.	Unlined trench, backfilled. 152.4 x 15.2 x 7.6 m deep (500 x 50 x 25 ft)	Historical
116-B-13 Sludge Trench (107-B South Sludge Trench)	Received sludge from 116-B-11 retention basin; sludge disposed to soil then trench backfilled.	Unlined trench, backfilled. 15.2 x 15.2 x 3 m (49.9 x 49.9 x 9.8 ft) deep	No Analytical Data
116-B-14 Sludge Trench (107-B North Sludge Trench)	Received sludge from 116-B-11 retention basin; sludge disposal to soil then trench backfilled.	Unlined trench, backfilled. 36.6 x 3 x 3 m (120.1 x 9.8 x 9.8 ft) deep	No Analytical Data
116-C-5 Retention Basin (107-C Retention Basin)	Held cooling water effluent from B and C Reactors for cooling/decay before release to the Columbia River; large leaks of effluent to soil.	100.6 m (331 ft) diameter x 4.9 m (16.1 ft) deep (see F-97)	LFI Historical
116-B-11 Retention Basin (107-B Retention Basin)	Held cooling water effluent from B Reactor for cooling/decay before release to the Columbia River; large leaks of effluent to soil.	F-101 143.3 x 7.1 x 1.5 m (469.2 x 229.6 x 4.9 ft) deep	Historical
116-D-1A (105-D Fuel Storage Basin Trench #1)	Received contaminated water from 105-D fuel storage basin (20,000 liters).	Trench Unlined 39.6 x 3.1 x 1.8 m (129.9 x 10 x 5.9 ft) deep	LFI, Historical
116-D-1B (105-D Fuel Storage Basin Trench # 2)	Received contaminated water from 105-D fuel storage basin (eight million liters).	Trench Unlined 30.5 x 3.1 x 4.6 m (100 x 5.9 x 15.09 ft) deep	LFI, Historical
116-H-1 Process Effluent Disposal Trench (107-H Liquid Waste Disposal Trench)	Received high activity effluent produced by ruptured fuel elements. Received sludge from 116-H-7 retention basin when 100-H Area was deactivated. Also received 90 kg of sodium dichromate.	Trench Unlined 58.8 x 33.5 x 4.6 m (192.9 x 105.9 x 15.09 ft) deep	No Analytical Data



3383.pdf

Project Start	14AUG95	Early Bar	
Project Finish	30SEP98	Progress Bar	
Data Date	14AUG95	Critical Activity	
Plot Date	23AUG95		

RDES

Sheet 1 of 1

ERC
SELECTED SITE RD/RA
DRAFT SCHEDULE

SR DURFEE 2-9596

Date	Revision	Checked	Approved

100-BC DEMONSTRATION PROJECT
August - Cost Estimate

		FY 1995 Budget	FYTD Actuals	Remaining Budget
PB1X1	Project Management	115.7	117.8	-2.1
PB2X1	Excavation Demonstration Plan	38.1	44.2	-6.1
PB2X2	Prepare Health and Safety Plan	25.0	30.9	-5.9
PB2X3	Prepare Quality Assurance Project Plan	8.0	9.4	-1.4
PB2X4	Prepare Waste Control Plan	9.3	11.6	-2.3
PB2X5	Develop Sampling and Analysis Plan	44.8	111.1	-66.3
PB2X6	Permits	39.6	24.8	14.8
PB2X7	Develop Operating Proceedures	91.0	43.4	47.6
PB2X8	Engineering Evaluation/Cost Analysis	33.7	9.4	24.3
PB3X1	B-4 Site Specific Engineering	44.4	18.4	26.0
PB3X2	B-5 Site Specific Engineering	43.7	25.0	18.7
PB3X3	C-1 Site Specific Engineering	77.6	82.4	-4.8
PB4X1	Phase 1 Field Implementation	251.1	374.6	-123.5
PB4X2	Phase 2 Field Implementation	630.1	457.3	172.8
PB4X3	Phase 3 Field Implementation	1337.1	29.5	1307.6
PB4X4	Phase 3 116-C-1 Prior Characterization	163.0	42.5	120.5
PB4X5	Phase 3 116-C-1 Analytical Support	129.0	12.2	116.8
PB5X1	Technical Memorandums	14.0		14.0
PB5X2	Final Test Report	0.0		0.0
G&A		83.0	76.5	6.5
Total 1995 Project BCWS $		$3,178.2	$1,521.0	$1,657.2

Attachment 8

STATUS PACKAGE

AUGUST UNIT MANAGERS MEETING

100-BC, 100-K, 100-D, 100-H, 100-F

Treatability Studies

Soil Washing Treatability Study During this reporting period, the Soil Washing Treatability Study Report was submitted to EPA and Ecology for review. Comments were received from the agencies on August 4. A comment response meeting will be scheduled for late August.

100-HR-3 Pump & Treat Study The 100-HR-3 Pump and Treat operated for 30 days this month, with one down day due to a Hanford Site electrical outage. One million gallons of groundwater were processed, and 8.23 pounds of Cr^{+6} were removed. To date, 4.88 million gallons of groundwater have been processed, and 44.32 pounds of Cr^{+6} have been removed.

118-B-1 Excavation Treatability Study The regulators have reviewed the report and have issued a letter stating that they have not comments. The final report (Revision 0) will be issued in late August.

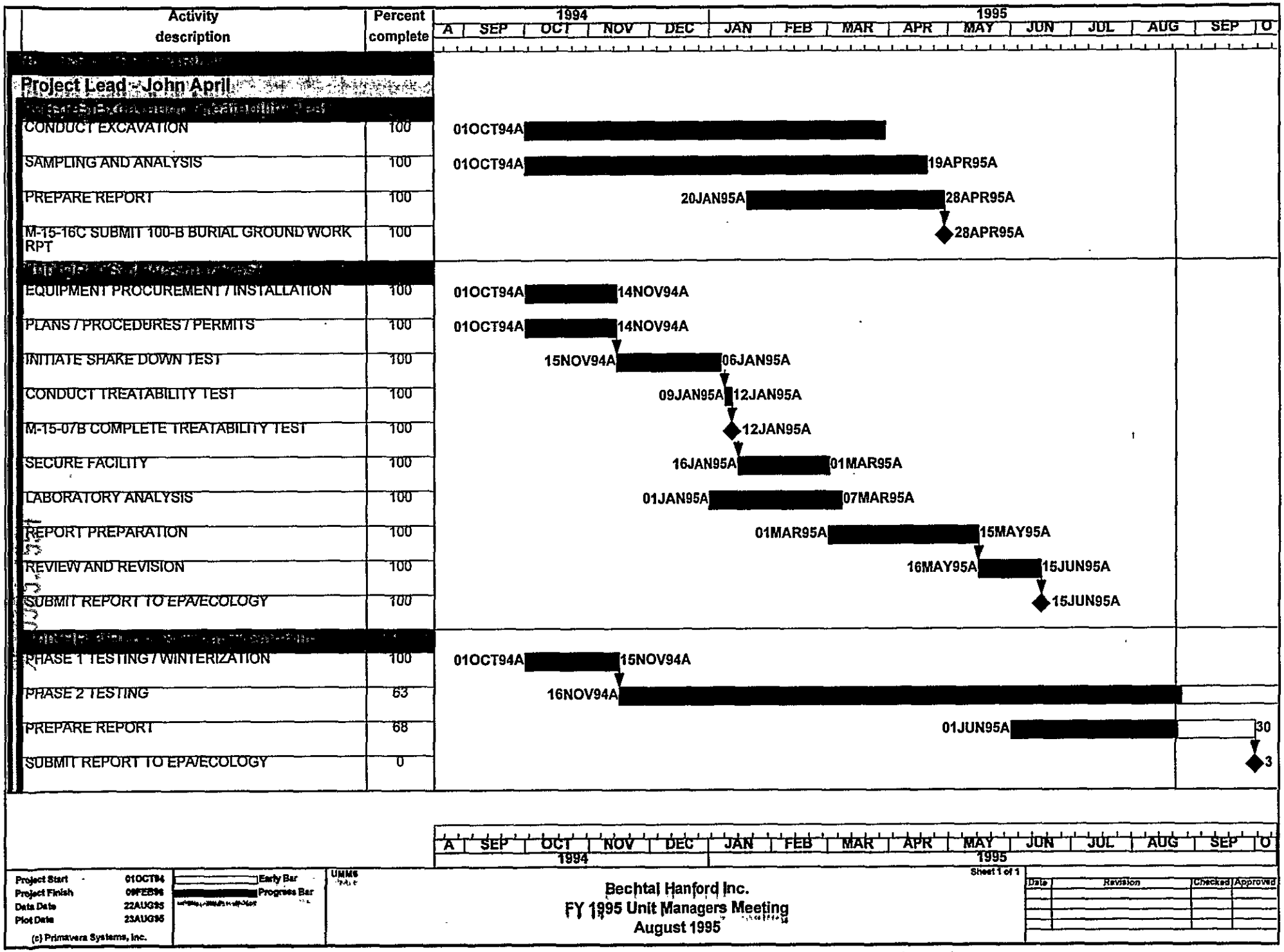
In Situ Phosphate Treatment Bench Scale Study A change notice was approved for accelerating the FY 1996 In Situ Phosphate Treatment Bench Scale Study into FY 1995. This study will focus on the utility of North Carolina apatite and how this mineral can be used to stabilize ^{90}Sr and Cr^{+6} in situ. Procurement has issued the request for proposal and will award the contract in August.

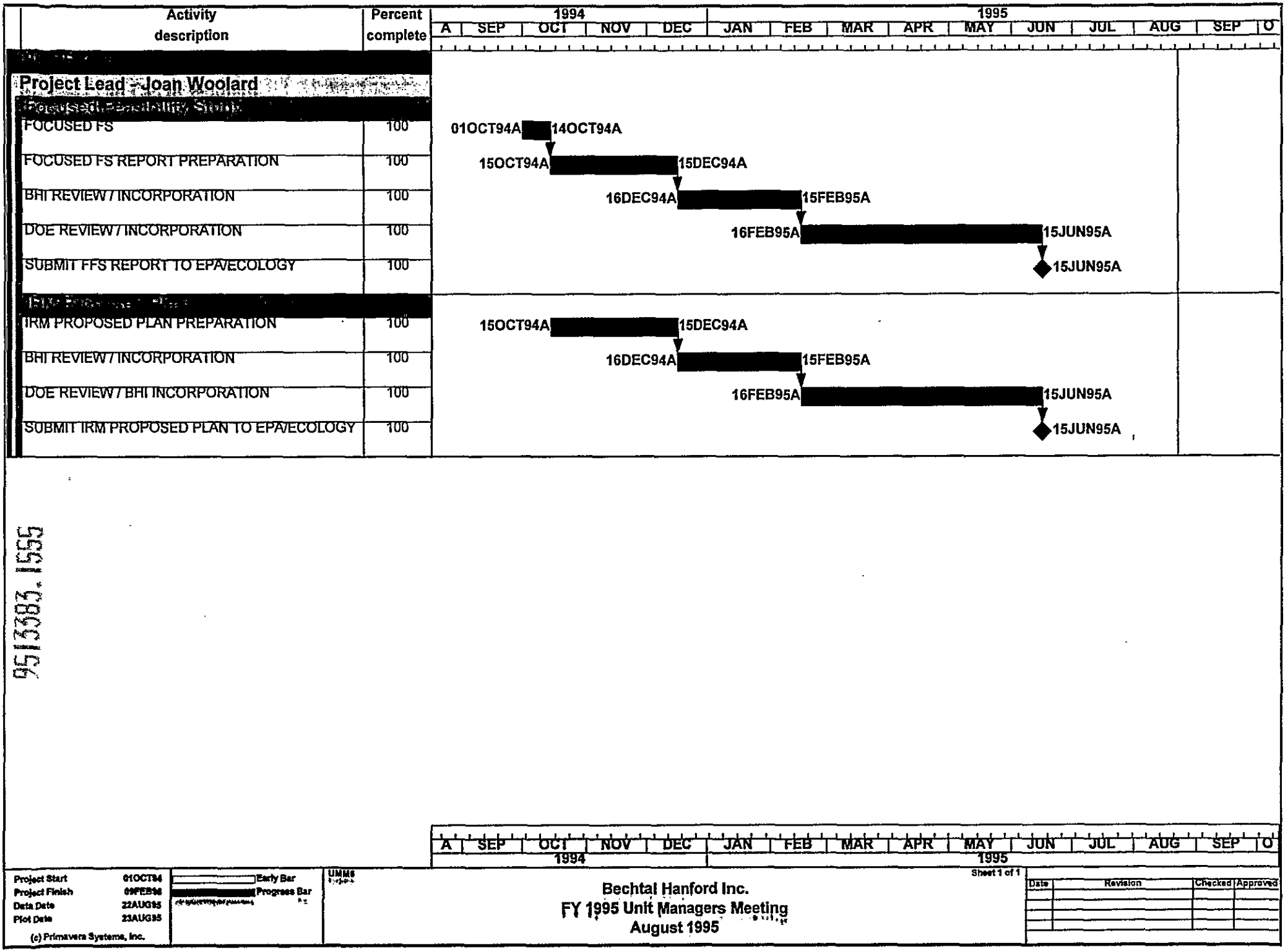
Redox Manipulation A mini dithionite injection test has been conducted in the H Area by PNL. The ERC is currently planning for FY 1996 activities.

BC Demonstration Project

100-BC-1 ERA

Demonstration Project - During the this reporting period excavation at the 116-B-5 was completed during the first week of July. Mobilization on the 116-B-4 Site was started during the second week of July. A delay of one week was experienced to modify and test the soil bagging hopper. After excavation was started efficiencies of 8 minutes per soil bag was achieved. At the end of this reporting period the B-4 Site was excavated to 20 feet. Radiological contamination levels ranged from 3000 to 7000 counts per minute from depths of 3 to 20 feet in depth with highest contamination encountered below the perforated effluent pipe at four feet in depth from surrounding grade. No hazardous waste was encountered during the course of excavating the site. Planning for the C-1 Trench continued. A site specific remediation contract was initiated. Award of this contract is anticipated on August 14.


Activity description
Percent complete
1994
1995
A SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP O
Project Lead - John April
CONDUCT EXCAVATION 100
SAMPLING AND ANALYSIS 100
PREPARE REPORT 100
M-15-16C SUBMIT 100-B BURIAL GROUND WORK RPT 100
EQUIPMENT PROCUREMENT / INSTALLATION 100
PLANS / PROCEDURES / PERMITS 100
INITIATE SHAKE DOWN TEST 100
CONDUCT TREATABILITY TEST 100
M-15-07B COMPLETE TREATABILITY TEST 100
SECURE FACILITY 100
LABORATORY ANALYSIS 100
REPORT PREPARATION 100
REVIEW AND REVISION 100
SUBMIT REPORT TO EPA/ECOLOGY 100
PHASE 1 TESTING / WINTERIZATION 100
PHASE 2 TESTING 63
PREPARE REPORT 68
SUBMIT REPORT TO EPA/ECOLOGY 0
01OCT94A
19APR95A
20JAN95A
28APR95A
14NOV94A
15NOV94A
06JAN95A
09JAN95A
12JAN95A
16JAN95A
01MAR95A
01JAN95A
07MAR95A
15MAY95A
16MAY95A
15JUN95A
16NOV94A
01JUN95A
30
3
Project Start 01OCT94
Project Finish 09FEB96
Data Date 22AUG95
Plot Date 23AUG95
(c) Primavera Systems, Inc.
Early Bar
Progress Bar
UMMS
Bechtal Hanford Inc.
FY 1995 Unit Managers Meeting
August 1995
Sheet 1 of 1
Date
Revision
Checked
Approved



Project Start 01OCT94
Project Finish 09FEB96
Data Date 22AUG95
Plot Date 23AUG95
(c) Primavera Systems, Inc.

Early Bar
Progress Bar

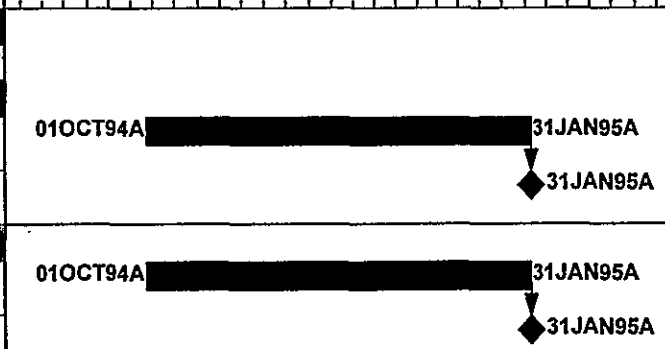
UMM6

Bechtal Hanford Inc.
FY 1995 Unit Managers Meeting
August 1995

Sheet 1 of 1

Date	Revision	Checked	Approved

Activity description	Percent complete
[redacted]	
Project Lead Chuck Hedel [redacted]	
[redacted]	
DOE REVIEW / BHI INCORPORATION	100
M-15-18B SUBMIT FFS REPORT TO EPA/ECOLOGY	100
[redacted]	
DOE REVIEW / BHI INCORPORATION	100
M-15-18C SUBMIT IRM PROPOSED PLAN TO EPA/ECOLOGY	100



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1994 1995

Project Start	01OCT94
Project Finish	09FEB96
Data Date	22AUG95
Plot Date	23AUG95

Early Bar
Progress Bar

UMM6

Sheet 1 of 1

Bechtal Hanford Inc.
FY 1995 Unit Managers Meeting
August 1995

Date	Revision	Checked	Approved

Distribution
Unit Manager's Meeting: 100 Aggregate Area/100 Area Operable Units
August 23, 1995

Nancy Werdel ..... DOE-RL, RSD (H4-83)
Mike Thompson ..... DOE-RL, RSD (H4-83)
Arlene Tortoso ..... DOE-RL, RSD (H4-83)
Paul Pak ..... DOE-RL, RSD (H4-83)
David Olson ..... DOE-RL, RSD (H4-83)
Nicole Kimball ..... DOE-RL, RSD (H4-83)

Steve Balone ..... DOE-HQ (EM-442)

Dennis Faulk ..... 100 Aggregate Area Manager, EPA (B5-01)
Bill Lum, USGS ..... Support to EPA
Jim Pankanin, PRC ..... Support to EPA

Phil Staats ..... 100 Aggregate Area Manager, WDOE (B5-18)
Chuck Cline ..... WDOE (Lacey)

Lynn Albin ..... Washington Dept. of Health

G. R. Eidam, BHI ..... (H4-91)
A. D. Krug, BHI ..... (H4-91)
T. L. Lundquist ..... (H4-91)
Kay Kimmel ..... MAC (B1-42)
R. Scott Hajner ..... BHI (H4-79)
Andrea Hopkins ..... BHI (H6-07)
Tom Page (Please route to:) ..... PNL (K9-18)

Cheryl Thornhill ..... PNL (K9-14)	Steve Slate ..... PNL (K9-14)
Mark Hanson ..... PNL (K9-02)	Bill Stillwell ..... PNL (K9-09)
Roy Gephart ..... PNL (K9-70)	Ben Johnson ..... PNL (K9-70)

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Please inform Tamen Lundquist (372-9562) of BHI
of deletions or additions to the distribution list.